

Applicants : Philip C. Georgeau et al.
Appln. No. : 10/726,341
Page : 2

Amendments to the Specification:

Please replace paragraph [0001] with the following amended paragraph:

[0001] The present application is a divisional application of U.S. Patent Application No. 10/061,545, filed on February 1, 2002, now issued U.S. Patent No. 6,679,018, the entire contents of which are incorporated by reference.

Please replace paragraph [0015] with the following amended paragraph:

[0015] In a preferred embodiment, moisture curing adhesive 7 is designated as "ROOF ASSEMBLY ADHESIVE" that is available from Chem Link Corporation of Kalamazoo, Michigan. This adhesive does not generate toxic vapors, and also does not require immediate application of the membrane as with existing two part polyurethane foam sprayed systems. This adhesive can be used at temperatures below 40°, and, because it is extruded directly to the rigid deck, it is not adversely affected by wind or the like during application. The rheology (consistency) of this adhesive is designed to produce, upon extrusion, a round bead that maintains its profile (shape) after application to a rigid surface. In a preferred embodiment, the adhesive 7 has a viscosity of about 200,000 to 300,000 centipoise. This viscosity level permits extrusion, yet provides high profile beads. Viscosities as low as about 100,000 centipoise or as high as about 500,000 centipoise may be utilized. Such high profile beads of adhesive improve contact and transfer of the adhesive to the flexible membrane surface and bridge gaps that may exist as a result of roughness or irregularity in the rigid surface. Furthermore, this adhesive develops a tensile strength of about 200 pounds per square [[inch]] foot, and therefore provides a very strong bond between the membrane 5 and the roof substrate 4. Thus, the roof structure of the present invention is very strong and resistant to wind uplift forces that would otherwise cause the membrane 5 to separate from the substrate 4. Prior to application of the adhesive 7, the roof substrate 4 is cleaned as required to ensure that it is free of oil, dirt, or loose debris. Also, the roof substrate 4 must be relatively dry.

Applicants : Philip C. Georgeau et al.
Appln. No. : 10/726,341
Page : 3

However, extensive, time consuming treatment such as blasting, primers, chemical treatments and the like used with existing polyurethane foam systems are not required when utilizing the Roof Assembly Adhesive according to the present invention.

Please replace paragraph [0024] with the following amended paragraph:

[0024] The sheer strength of both compounds tested on wood substrates under identical conditions were in excess of 200 pounds per square [inch] foot.